



1714

"PATENT"

AMENDMENT TRANSMITTAL FORM

In re application of: Charles H. Schleyer
U. S. Serial No.: 09/784,885
Filed: February 16, 2001
For: Gasoline Fuel

) Before the Examiner
) Not Assigned
)
) Group Art Unit 1714

COMMISSIONER FOR PATENTS
Washington, D.C. 20231

Sir:

☒ The undersigned hereby certifies having information and a reasonable basis for belief that this correspondence will be deposited as first-class mail with the United States Postal Service in an envelope addressed to the Commissioner for Patents, Washington, D.C. 20231, on OCTOBER 26, 2001.

Transmittal herewith is an amendment/response in the above-identified application.

Petition for extension of time pursuant to 37 CFR 1.136 and 1.137 is hereby made, if and to the extent, required. The fee for this extension of time is calculated to be \$_____ to extend the time for filing this response until _____.

The fee for any changes in number of claims has been calculated as shown below.

CLAIMS AS AMENDED						
(1)	(2) Claims Remaining After Amendment	(3)	(4) Highest Number Previously Paid For	(5) Present Extra	(6) Rate	(7)
Total Claims	*	Minus	**		x 18.00	
Indep. Claims	*	Minus	***		x 84.00	
MULTIPLE DEPENDENT CLAIM FEE					\$280.00	
FEE FOR CLAIM CHANGES						

* If the entry in Column 2 is less than the entry in Column 4, write "0" in Column 5.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, write "20" in this space.

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, write "3" in this space.

Total fee for this Statement Under 37 CFR 1.56, including claim changes and any extension of time is calculated to be \$ 0.

☒ Charge \$ 0 to Deposit Account No. 05-1330.

☒ The Commissioner is hereby authorized to charge any additional fees under 37 CFR 1.16 and 1.17 which may be required by this paper, or credit any overpayment, to Deposit Account No. 05-1330.
A duplicate copy of this Form is enclosed.

Oct 24, 2001

Date of Signature

Post Office Address: [to which correspondence is to be sent]
ExxonMobil Research and Engineering Company
(formerly Exxon Research and Engineering Company)
P. O. Box 900
Annandale, New Jersey 08801-0900

Joseph J. Allocca
Attorney or Agent of Record

JOSEPH J. ALLOCCA

Registration No. 27,766

☒ Pursuant to 37 CFR 1.34(a)

27810

PATENT TRADEMARK OFFICE



"PATENT"

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Charles H. Schleyer
U. S. Serial No. 09/784,885
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Commissioner for Patents
Washington, DC 20231

Sir:

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JAN - 2 2002

Statement Under 37 CFR 1.56

TC 1700

Applicant takes this opportunity to submit to the United States Patent and Trademark Office copies of patents and information which may be considered relevant to the prosecution of the present application.

This statement is submitted more than three (3) months after the filing date of the application but prior to receipt of any first action on the merits. If it is determined that a fee is required the Commissioner is authorized to charge any such fee to Deposit Account Number 05-1330.

Copies of the following patents are attached:

USP 4,525,174

USP 4,602,919

USP 4,600,408

USP 4,647,292

I hereby certify that I have a reasonable basis for believing that this correspondence will be deposited with the United States Postal Service as first class mail in an envelope addressed to the Commissioner for Patents, Washington, D.C. 20231, on OCTOBER 26, 2001.

Date of Deposit

KATHLEEN A. KUNA

Name of attorney or agent

Kathleen A. Kuna

Signature

OCTOBER 26, 2001

Date of Signature



27810

PATENT TRADEMARK OFFICE

USP 4,699,629

USP 4,720,288

USP 4,743,273

USP 4,773,916

USP 4,781,728

USP 4,812,146

USP 4,899,014

USP 5,032,144

USP 4,824,552

USP 5,288,393

USP 5,593,567

USP 5,653,866

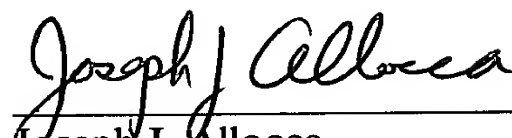
USP 5,837,126

Also attached is information taken from the NIPER database, (a publicly available database not subject to confidentiality) reporting various fuels which were commercially available in 1996.

RVP	T10	T50	T90	Sulfur %w	% Arom	% Olef	% Sat	Benzene	% Oxygen	Gravity	(R+M)/
6.9	144	219	325	0.004	20.8	6.3	72.9	0.33	0.36	60.0	93.0
6.8	141	217	311	0.004	20.3	6.3	73.5	0.19	0.15	61.8	93.0
6.9	142	214	321	0.003	16.1	7.7	76.2	0.24	0.62	63.0	93.0
6.7	142	214	310	0.001	25.0	1.2	73.8	0.85	2.11	57.8	89.0
6.3	143	212	315	0.001	26.3	1.2	72.5	0.47	2.50	57.2	92.0
6.7	144	213	310	0.001	27.4	1.3	71.4	0.89	2.18	56.9	87.0
6.9	142	213	314	0.002	31.6	7.3	61.1	0.72	2.21	57.0	93.0
6.7	143	213	314	0.001	28.3	1.5	70.2	0.6	2.52	56.4	89.0
6.6	142	214	320	0.001	29.9	1.2	68.9	0.6	2.52	56.3	92.0
6.8	139	214	307	0.003	23.1	6.6	70.4	0.31	0.2	57.4	93
6.9	138	207	297	0.001	22.7	3.8	73.5	0.48	2.2	60.9	92
6.9	139	207	327	0.001	22.2	3.4	74.4	0.41	2.1	60	92

A number of fuels sold by Exxon or Mobil during 1996 which may be of some relevance in the course of prosecuting the present application is attached.

Respectfully submitted,

A handwritten signature in cursive script, reading "Joseph J. Allocca".

Joseph J. Allocca
Attorney for Applicant
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Telephone No. (908) 730-3629

ExxonMobil Research and Engineering Company
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Annandale, New Jersey 08801-0900

784885 IDS.JJA:kak
October 24, 2001
P1998J135A

Fuel Characteristic	A	B	C	D	E	F	G	H	I
API°	57.1	56.7	57.6	56.9	59.1	59.0	58.0	58.8	59.8
RVP, psi	6.4	6.4	7.0	6.9	6.8	7.0	6.9	7.0	6.9
T ₁₀ , °F	142	141	143	142	141	139.0	139	137	137
T ₅₀ , °F	209	210	214	220	203	203	202	202	204
T ₉₀ , °F	316	315	319	323	317	329	323	326	318
Aromatics, vol%	29.4	28.3	29.6	29.8	24.0	21.1	28.3	23.3	23.8
Olefins, vol%	1.0	1.1	11.0	7.4	4.5	4.5	2.4	3.5	3.5
Paraffins, vol%	69.6	70.6	59.4	62.8	71.5	74.4	69.3	73.2	72.7
Benzene, vol%	0.780	0.56	1.94	2.13	0.54	0.52	0.72	0.58	0.40
Sulfur, %	0.001	0.001	0.019	0.017	0.002	0.002	0.001	0.002	0.001
O ₂ , wt%	1.81	2.45	zero	0.01	2.3	2.06	2.38	2.22	2.12
<u>R+N</u> 2	87.5	92.1	86.4	88.9	91.8	87.9	91.9	89	92
DI	1156	1156.5	1175	1196	1137	1147	1138	1138	1135
E200	45.9	45.2	42.2	38.3	48.3	48.6	49	49	48
E300	85.2	85.8	84.4	83.8	86.2	83.6	84.5	84.1	86.1